Title (en)

NOVEL COMPOUND FOR ORGANIC ELECTRONIC MATERIAL AND ORGANIC ELECTROLUMINESCENT DEVICE USING THE SAME

Title (de)

NEUARTIGE VERBINDUNG FÜR EIN ORGANISCHES ELEKTRONISCHES MATERIAL UND ORGANISCHE ELEKTROLUMINESZENZVORRICHTUNG DAMIT

Title (fr)

COMPOSÉ INÉDIT POUR MATÉRIAU ÉLECTRONIQUE ORGANIQUE ET DISPOSITIF ÉLECTROLUMINESCENT ORGANIQUE L'UTILISANT

Publication

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Application

EP 11842373 A 20111116

Priority

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Abstract (en)

[origin: WO2012067425A1] Provided are a novel compound for an organic electronic material and an organic electroluminescent device using the same. The compound for an organic electronic material according to the present invention has high electron transport efficiency, thereby preventing crystallization at the time manufacturing of a device, and allows a layer to be easily formed, thereby improving current characteristics of the device, and thus an OLED device having a lowered driving voltage and improved power efficiency as well as superior luminous efficiency and lifespan characteristics as compared with the existing material can be manufactured.

IPC 8 full level

C07D 487/04 (2006.01); **C07D 403/04** (2006.01); **C07D 403/14** (2006.01); **C07D 407/14** (2006.01); **C07D 409/14** (2006.01); **C07D 471/04** (2006.01); **C07D 491/048** (2006.01); **C07D 495/04** (2006.01); **C07F 7/08** (2006.01); **C09K 11/06** (2006.01); **H01L 27/32** (2006.01); **H01L 51/54** (2006.01); **H05B 33/14** (2006.01)

CPC (source: CN EP KR US)

C07D 403/04 (2013.01 - EP US); **C07D 403/14** (2013.01 - CN EP US); **C07D 407/14** (2013.01 - EP US); **C07D 409/14** (2013.01 - CN EP US); **C07D 471/04** (2013.01 - EP US); **C07D 487/04** (2013.01 - CN EP US); **C07D 491/048** (2013.01 - CN EP US); **C07D 495/04** (2013.01 - CN EP US); **C07F 7/0814** (2013.01 - CN EP US); **C09K 11/06** (2013.01 - CN EP KR US); **H05B 33/20** (2013.01 - EP US); **H10K 50/00** (2023.02 - US); **H10K 85/40** (2023.02 - CN EP US); **H10K 85/654** (2023.02 - CN EP US); **H10K 85/657** (2023.02 - CN EP US); **H10K 85/6572** (2023.02 - CN EP US); C09K 2211/1029 (2013.01 - CN EP US); C09K 2211/1044 (2013.01 - CN EP US); C09K 2211/1059 (2013.01 - CN EP US); C09K 2211/1088 (2013.01 - CN EP US); C09K 2211/1092 (2013.01 - CN EP US); C09K 2211/1096 (2013.01 - CN EP US); H10K 50/11 (2023.02 - CN EP KR US); H10K 85/324 (2023.02 - EP US); H10K 85/342 (2023.02 - EP US); H10K 85/631 (2023.02 - EP US); H10K 85/633 (2023.02 - EP US); H10K 2101/10 (2023.02 - EP US)

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DOCDB simple family (application)

KR 2011008759 W 20111116; CN 201180065053 A 20111116; CN 201410541407 A 20111116; EP 11842373 A 20111116; JP 2013539758 A 20111116; KR 20110119015 A 20111115; TW 100141771 A 20111116; US 201113885230 A 20111116